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RESPONSE UNDER 37 CFR 1.116  
EXPEDITED PROCEDURE  
EXAMINING GROUP 3700

*Af/Gar 3738*  
*3/15/00*

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

*#13/C*  
*H.E.*

Applicant : Carlyle et al.  
Serial No.: 09/014,087  
Filed : January 27, 1998  
For : BIOPROSTHESIS WITH  
ASSOCIATED GROWTH FACTORS  
Docket No.: S16.12-0062

Group Art Unit: 3738  
Examiner: P.  
Prebilic

**AMENDMENT AFTER FINAL**

Assistant Commissioner for Patents  
**BOX AF**  
Washington, D.C. 20231

I HEREBY CERTIFY THAT THIS PAPER IS  
BEING SENT BY U.S. MAIL, FIRST  
CLASS, TO THE ASSISTANT  
COMMISSIONER FOR PATENTS,  
WASHINGTON, D.C. 20231, THIS

03 DAY OF March, 2000.  
*Robert S. Darch*  
PATENT ATTORNEY

Sir:

In response to the Office Action mailed on January 5, 2000,  
please enter the following amendments and consider the following  
remarks.

**IN THE CLAIMS**

Please amend claims 1 and 14 as follows:

1. (Twice Amended) A prosthesis for a human patient comprising  
allograft or xenograft tissue having a polypeptide growth factor  
associated therewith by a[n] biologic adhesive [or chemical  
binding] covalent bonding, or noncovalent bonding characteristic of  
antibody-antigen, specific binding protein-receptor and enzyme  
substrate associations, said polypeptide growth factor being  
effective to stimulate the affiliation of viable cells with said  
tissue

14. (Twice Amended) A prosthetic heart valve comprising a  
substrate with associated VEGF, wherein said VEGF is associated  
with the substrate by direct attachment, a[n] biologic adhesive [or

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